FAA

National Airspace System (NAS)

SE (Systems Engineering) Portal

Quick User Reference Guide

Version 1.1

Table of Contents

1 About the NAS Systems Engineering (SE) Portal

The National Airspace System (NAS) Systems Engineering (SE) Portal is the new, FAA-developed web application with updated functionality to serve the NAS SE community, and replaces the prior NAS EA Portal. The Quick Guide summarizes the major features offered by the NAS SE Portal and contains essential information for the user to make effective use of the NAS SE Portal. It includes a description of the system functions and capabilities, and will briefly describe how to navigate within the system. The NAS SE Portal URL is: https://sep.faa.gov

2 How Do I Navigate the SE Portal, and What Content Is In the SE Portal?

Utilize the global menu, available from any page in the Portal:

Hovering your mouse over and/or clicking any of the options below will activate the hyperlink and take you to the appropriate content:

- Products – Provides a product-centric view of SE data. This option advances the user to the Interactive Product Browser
  - o NAS Enterprise Architecture (EA) Model - View or download the NAS EA Model products. These products can be viewed in either PDF format or within the Interactive Diagram Viewer (when available) to dynamically navigate and analyze Architecture Models.
  - o Infrastructure/Service/ISS Roadmaps - Roadmap PowerPoints or interactive Roadmap Diagrams supporting drill down capability. Underlying data can also be queried, reported, searched, and analyzed.
  - o NAS Segment Implementation Plan (NSIP) - Access to all NSIP data and their relationships, as well as the ability to generate reports in PDF or Excel format from six different perspectives. This section is restricted. To request access, utilize the Contact Us feature.
  - o NAS Requirements Documents - Download the PDF versions of the NAS RDs. Additional features include the ability to navigate to each requirement statement and view relationships to child requirements, architecture elements, traceability, NSIP applicability, and standards (if applicable). These additional features are made available at the discretion of FAA management and users will be informed of their availability via the Portal News section.
- NAS Datastore – Data-centric view of SE data. Contains searchable and reportable data found in the SE products. See Data Browsers section below.
- Reports – Create canned and ad-hoc reports on the data contained in the NAS Datastore.

- Resources – Information about the site, including news, updates, and other relevant information you may need.
    - Sitemap - The Sitemap page is available under the Resources section, where you will find links to all available information on the NAS SE Portal.

Products	NAS Datastore	Reports	Analysis	Resources

News & Announcements
NAS SEP User Guide
Policy & Guidance
Templates
Site Map

NAS SEP Home • Resources • Sitemap

News & Announcements
NAS SEP User Guide
Policy & Guidance
Templates
Site Map

Sitemap

Home
- About
- Contact
- FAQ
- Login

Products
- NAS Enterprise Architecture Model
- NAS Requirements Documents
- Infrastructure Roadmaps
- Service Roadmaps
- Financial Views
- NAS Information Architecture Products
- Information Systems Security (ISS) Roadmap
- NAS Segment Implementation Plan (NSIP)

Reports & Analysis
- DP Delta Report
- NSIP Lite
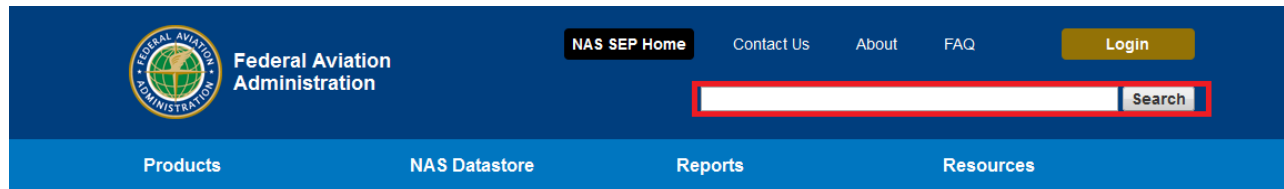- NSIP Reports

NAS Datastore
- Actors
- Assumptions
- Decision Points
- Facilities
- Facility Types
- Increments / Enabling Activities
- NAS Hierarchy Elements
- Operational Improvements / Current Operations
- Organizations
- Phases of Flight
- Programs
- Projects
- Requirements
- Roadmap Symbols
- Standards
- Support Activities
- System / Service
- System / Service Data Exchanges
- System / Service Functions

Resources
- NAS SEP User Guide
- News & Announcements
- Policy & Guidance
- Sitemap
- Templates

3   Global Search

The Global Search box is located at the top of each page on the NAS SE Portal. Global Search is available from any page in the Portal, and will compare your search term against ALL of the data maintained in the NAS Datastore and return the relevant results. For more information, click FAQ on the website header under Search.

4   Data Browsers

Each data type in the NAS Datastore has a data browser page. The data browser page provides access to all records for a single data type (i.e., all systems from the data browser page, or all Operational Improvements/Current Operations from the Operational Improvement/Current Operations Data Browser page). This functionality makes this screen convenient for drilling down to a single record of a known data type, or visualizing a complete list of a single data type.

A. Quick Search – Search against any of the attributes for the data type.
B. Group By and Sort By – Controls how the results are presented in section D.
C. Displays a data count with the Date Published, and indicates if you are viewing the latest draft or baseline data.

D. Controls the results that are returned in section E by applying specified filter criteria.
E. Available data - The data is arranged in a tile format, and hovering over each tile icon will display a pop-up that provides more details about that data item. Clicking on the icon will take you to the detail page.
F. Toggle between title view and tile format (default view is list view).

5 Detail Page

Each data element (e.g., a unique System or a unique Decision Point) has a detail page that contains a listing of all attributes and information about any related data elements. The top of the detail page contains the following information:

A. Attribute data for the data element.
B. Every data element has a unique identifier, version, and date the last baseline was published. It also indicates if you are viewing the latest draft or baseline data.
C. Print Options allow the content on this screen to be printed, or opens your email editor and prepares an email with a hyperlink back to the current page.

Related Data Elements

Summary — Click on the cards titles (name of related data element type) below to view additional details. To view all the related data element details, click here. You can also navigate to the individual data element detail pages by clicking on the data element...

Graph Diagram

Click on the card title above to show or hide the diagram

Projects (4) **A**

Collaborative ATM (CATM) (4)
- G05C.01-01
- G05C.01-04
- G05C.01-05
- G05C.01-08

Increments/Enabling Activities (0) - By Portfolio (0)

Systems (3)
- WMSCR
- ASSC
- E-IDS

Facility Types (1)
- WJHTC

Decisions (1)
- FID 925

Support Activities (5)
- Enterprise Infrastructure Assessments

System Functions (0)

The bottom of the detail page contains a summary of data elements related to the data element displayed at the top of the page.

> B. Each tile represents a group of related items. Clicking on the tile header row changes the color from blue to gray. Blue indicates that the details for the related group of items are "active" and will be displayed below the related summary area, and gray indicates it is "inactive" and it will not be displayed. By default, only the graph diagram is active when the page loads.

Below the data elements, the summary section contains details about each of the related elements, grouped by element type. This display is only for the "active" related data elements.

Decisions **A** **B** Return to Summary

05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
										◆ 925																				

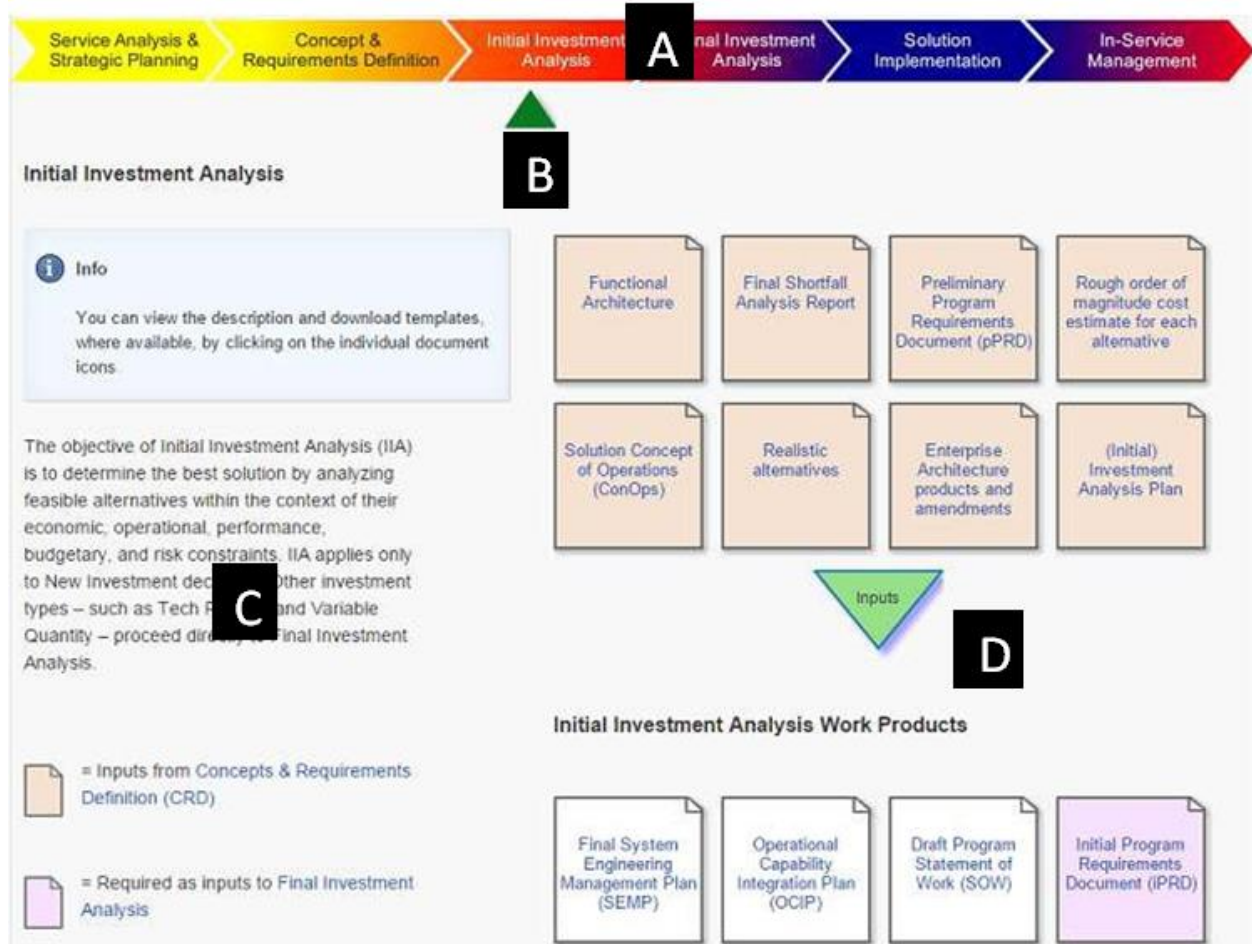| DP# **C**	Decision Name	Baselined Target
925	...vestment Decision (FID) for SWIM Segment 2B	2015, Q2

DP Legend

> A. Indicates the data type for the group of related elements.
> B. Clicking this link will take you back to the related elements summary section.
> C. Clicking the data identifier hyperlink will advance the screen to the detail screen for that related item.
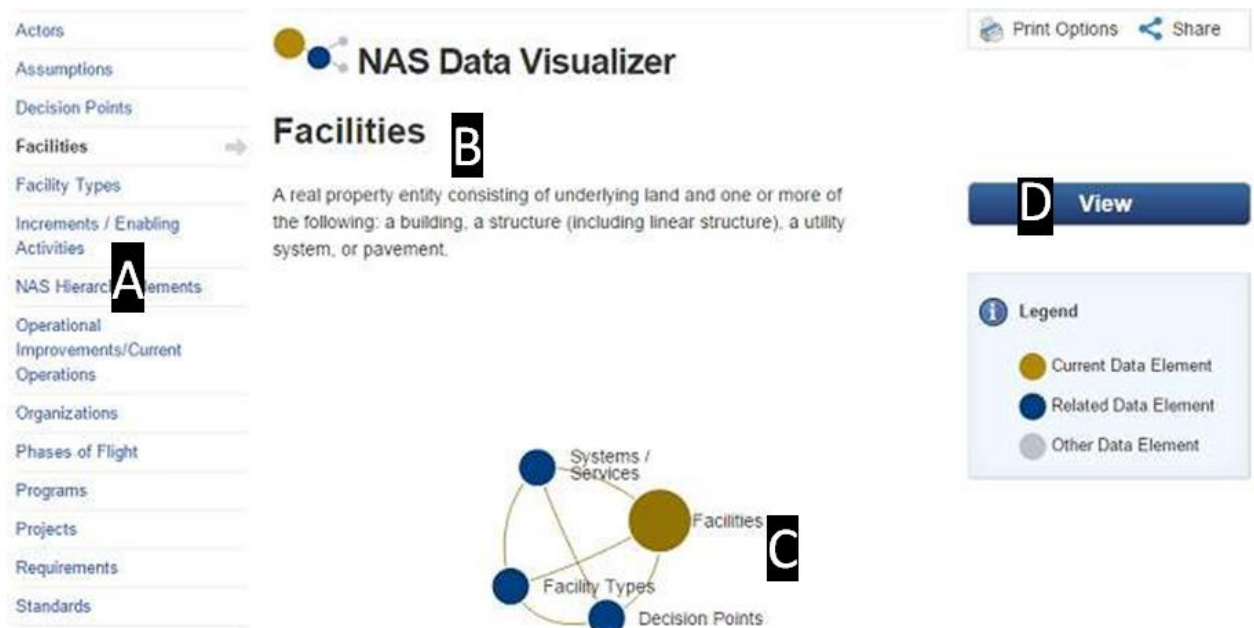
6 AMS Lifecycle

This section contains an interactive graphic that provides a systems engineering perspective on how a solution (i.e., a program, system, or investment) passes through the various stages of the

B. Indicates the current AMS phase being viewed.
C. Information about the active work product and/or AMS phase. Contains clickable hyperlinks to advance to other AMS phases.
D. Displays work products corresponding to the active AMS phase. Each work product is a hyperlink that, when clicked, will update section C and make it the active work product.

7 Data Visualizer

The Data Visualizer contains an interactive, graphical display that depicts the relationship of Portal elements as defined in the Integrated Systems Engineering Framework (ISEF).

A. Click any of the hyperlinks to update section B. The chosen link becomes the current data element.
B. Contains the name and description of the data element corresponding to the hyperlink clicked in section A or section C (i.e., the current data element).
C. Graphically displays the current data element and its related data elements. Clicking any of the data element circles in section C will refresh sections B and C to display the chosen data element as the current data element.
D. Launches the data browser corresponding to the current data element.

8   Login/Logout of the Portal

To login to the Portal click the login link, which is accessible in the header section on all Portal pages, and follow the on-screen instructions.

A. Hover your mouse over your username.
B. Click the "Logout" button from the sub-menu.

9 Contact Us/Technical Help/Submit a Change Request

Contact Us

Print Options   Share

Request Technical Help

Use the form below to report web site problems or to send a question to the NAS SE Portal staff. Be sure to provide your email address if you would like a response. The NAS SE Portal staff can help with the following:

- Technical questions, requests, or errors related to our web site
- Content questions, requests or errors related to our web site
- Directing your NAS SE questions to the appropriate subject matter experts
- Sending you web site links that may address your questions

SE Portal POC

Ian Bradley
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Management Division, ANG-B5
(202) 267-2996
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* = required

Request Details

*Contact reason: ⦿ Request Technical Help   **B**

○ Submit a Change Request

A. The Contact Us link can be found at the top of the screen from any page in the Portal.

B. Select the appropriate menu option to Request Technical Help, or Submit a Change Request and then follow the on-screen instructions to complete the form and submit the request.